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	Application No.	Applicant(s)	
Notice of Allowability	10/035,442	IZUMI, YOSHIHIRO	
	Examiner	Art Unit	
	Mike Qi	2871	
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Report of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication IGHTS. This application is subject to	plication. If not include will be mailed in due	ed course. THIS
1. \boxtimes This communication is responsive to <u>the response of Oct.2</u>	<u>21, 2004</u> .		
2. The allowed claim(s) is/are <u>1-42</u> .			
3. \boxtimes The drawings filed on <u>04 January 2002</u> are accepted by th	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	e been received. e been received in Application No cuments have been received in this of this communication to file a reply IENT of this application.	national stage applica	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.		
(a) including changes required by the Notice of Draftspers		948) attached	
1) hereto or 2) to Paper No./Mail Date		NG	
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	ince action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			back) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the
Attachment(s)			
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	• • • • • • • • • • • • • • • • • • • •	D-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary Paper No./Mail Date		
3. 🛮 Information Disclosure Statements (PTO-1449 or PTO/SB/C Paper No./Mail Date 10/26/04;5/28/04; 4/2/64	98), 7. X Examiner's Amendr	ment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	8. 🗵 Examiner's Stateme	ent of Reasons for Allo	wance
of Biological Material	9. Other		
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DETAILED ACTION

EXAMINER'S AMENDMENT

- 1. This application is in condition for allowance except for the presence of claims 43 to 58 non-elected without traverse. Accordingly, claims 43-58 have been cancelled.
- 2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Joseph A. Rhoa on May 13, 2004.

The application has been amended as follows:

- 1) In claim 1, line 13, "...an uneven section formed in/on said charge collection electrode, ..." has been changed into - ... an uneven section formed in/on said charge collection electrode in an area not in contact with an active element, ...-
- 2) In claim 13, line 16, ". . . an uneven section formed in/on said charge collection electrode, ..." has been changed into - . . . an uneven section formed in/on said charge collection electrode in an area not in contact with said active element, . . -

Allowable Subject Matter

1. Claims 1-42 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The prior art of record neither discloses nor teaches an electromagnetic detector comprising various elements as claimed, more specifically, as the following:

an uneven section formed in/on the charge collection electrode in an area not in contact with the active element, and dedicated for use in reinforcing a bonding strength between the semiconductor layer and the charge collection electrode, and the uneven section being composed of at least a concave or convex part, and as shown in Fig.1 [claims 1, 13 and 28]

The closest reference is the applicant admitted prior art and an article of "A new digital detector for projection radiography" (Lee et al) that discloses an electromagnetic detector, but the prior art of records do not disclose that the charge collection electrode having uneven section (convex or concave) in an area not in contact with the active element for use in reinforcing a bounding strength between the semiconductor layer and the charge collection electrode.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mike Qi whose telephone number is (571) 272-2299. The examiner can normally be reached on M-T 8:00 am-5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mike Qi December 21, 2004

FARIFUR R. CHOWDHURY
PRIMARY EXAMINER